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Press Release

Two-Day Workshop on Recent Advancements and Best Practices in Civil Engineering Successfully Organized at IIT (ISM) Dhanbad

A two-day workshop titled “Recent Advancements and Best Practices in Civil Engineering with Emphasis on Application of High-Strength Reinforcement Bars in Concrete Construction” was successfully inaugurated at the Executive Development Centre of IIT (ISM) Dhanbad. The event, organized by the Department of Civil Engineering as part of the institute's Centenary Celebrations, attracted 50 participants from various parts of the country.

The workshop featured both theoretical insights and practical applications, with four expert lectures delivered on the inaugural day.

Prof. S.C. Dutta delivered the keynote lecture on “Do’s and Don’ts in Earthquake Engineering,” emphasizing critical considerations for ensuring structural safety during seismic events.

Prof. Pranesh Roy during the session 1 presented on the “Review of Direct Stiffness Method,” covering aspects like member stiffness, assembly, boundary conditions, solution techniques, and interpretation of results. He also discussed the calculation of Safe Bearing Capacity (SBC) and pile capacities.

Dr. Priyanka Bhartiya from COWI India Pvt. Ltd. during the session 2 elaborated on “Different Soil Tests for Foundation Design” and their interpretation, focusing on calculating SBC and pile capacities.

Prof. Rajib Sarkar during the post lunch session shared insights on “Earthquake-Resistant Design Considerations for Pile-Supported Structures,” with a particular focus on foundations for tall building.

Participants visited the Concrete and Material Testing Laboratory, guided by Prof. Rahul Bhartiya and Prof. Pranesh Roy, for hands-on experience.

The Chief Guest, Prof. Sukumar Mishra, Director, IIT (ISM) Dhanbad, during the inaugural session highlighted the pivotal role of civil engineering in national infrastructure development. He emphasized its significance in achieving India’s goal of becoming Viksit Bharat@2047.

Prof. Dheeraj Kumar, Deputy Director, underscored the importance of workshops as platforms for collaboration between academia and industry to solve real-world challenges.

Mr. Sandip Talukdar, Senior Area Manager at Tata Steel, lauded the workshop for bridging theoretical knowledge with practical applications, benefiting both industry professionals and academics.

Prof. Srinivas Pasupuleti, Head of the Department of Civil Engineering, provided an overview of the department’s history, infrastructure, and academic programs.

Prof. Rahul Bhartiya delivered the welcome address, outlining the workshop's schedule.

Prof. Pranesh Roy concluded the inaugural session with a vote of thanks.

Rajni Singh

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